



New England Testing Laboratory, Inc.
(401) 353-3420

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 9J07022

Client Project: Nutrient Testing

Report Date: 18-October-2019

Prepared for:

Tom Kawa
Lowell Regional Wastewater
451 First St. Blvd
Lowell, MA 01852

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New England Testing Laboratory, Inc.
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West Warwick, RI 02893
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Samples Submitted:

The samples listed below were submitted to New England Testing Laboratory on 10/07/19. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is 9J07022. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled
9J07022-01	Inf	Water	10/07/2019
9J07022-02	Plt. Eff	Water	10/07/2019

Request for Analysis

At the client's request, the analyses presented in the following table were performed on the samples submitted.

Sample Name: Inf

Analysis	Method	Analyst
Nitrate and Nitrite as N	4500-N03-E	ESN
Ammonia	SM4500-NH3-D	CPM
Total Kjeldahl Nitrogen	SM4500NH3-D	cpm
Total Phosphorous	SM4500-P-E	DAC

Sample Name: Plt. Eff

Analysis	Method	Analyst
Nitrate and Nitrite as N	4500-N03-E	ESN
Ammonia	SM4500-NH3-D	CPM
Total Kjeldahl Nitrogen	SM4500NH3-D	cpm
Total Phosphorous	SM4500-P-E	DAC

The analytical methods provided are documented in the following references:

Manual of Methods for Chemical Analysis of Water and Water Wastes, EPA-600/4-79-020 (Revised 1983), USEPA/EMSL.

Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998, APHA, AWWA-WPCF.

40 CFR 136, *Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act*, Office of Federal Register National Archives and Records Administration.

Results:

Sample: Inf
9J07022-01 (Water)

General Chemistry

	Result	Reporting Limit	Units	Date Analyzed
Ammonia	34.1	1.0	mg/L	10/11/19
Kjeldahl Nitrogen	35.5	1.0	mg/L	10/09/19
Nitrate and Nitrite as N	0.04	0.03	mg/L	10/09/19
Total Phosphorous	5.26	0.10	mg/L	10/11/19

Sample: Plt. Eff
9J07022-02 (Water)

General Chemistry

	Result	Reporting Limit	Units	Date Analyzed
Ammonia	17.0	1.0	mg/L	10/11/19
Kjeldahl Nitrogen	17.9	1.0	mg/L	10/17/19
Nitrate and Nitrite as N	4.30	0.15	mg/L	10/09/19
Total Phosphorous	1.82	0.02	mg/L	10/11/19

Case Narrative

The samples were all appropriately cooled and preserved upon receipt. The samples were received in the appropriate containers. The chain of custody was adequately completed and corresponded to the samples submitted.

All samples were analyzed in accordance with 40 CFR 136 approved methodologies.

North Providence, RI 02904



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1-888-863-8522

Chain of Custody Record

Project No.		Project Name/Location: Quarterly Nutrients		Email		Tests**	
Client: Lowell Regional Wastewater Utility		Report To: Tom Kawa- Aaron Fox		Matrix Code		Preservative Codes	
to: tkawa@lowellma.gov		Invoice To: Lowell Regional Wastewater Utility		No. of Containers & Types		Ammonia Nitrogen	
Date		Sample I.D.		Matrix Code		Total Phosphorous	
Time		Grab		Code		Nitrite & Nitrate Nitrogen	
10-6-19	8:00	5 N F	WW	1 P, 1	S	✓	✓
10-6-19	12:00	P.L.T. EFF	WW	1 P, 1	S	✓	✓
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